

Appln No. 10/727,490
Amdt date November 1, 2006

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Rule 3.12 Amend 11-21-06
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1723

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A tool, comprising:
 - an inner barrel having a first end and a second end;
 - a corkscrew deflector coupled to the inner barrel originating at the first end and extending towards the second end; and
 - an inlet plate coupled to the first end of the inner barrel, the inlet plate having an aperture defined by a space between two concentric arcs, the aperture substantially following the contour of an edge of the inlet plate;
 - wherein the edges of the aperture in the inlet plate are substantially tapered.
2. (Cancelled)
3. (Previously Presented) The tool of claim 1, further comprising an outer barrel coupled to the corkscrew deflector; and
 - an input sleeve, the input sleeve coupled to the inlet plate, the input sleeve having an outer diameter substantially equal to the outer diameter of the outer barrel.
4. (Original) The tool of claim 3, wherein the input sleeve has an unobstructed bore.
5. (Cancelled)
6. (Cancelled)
7. (Original) The tool of claim 1, wherein the corkscrew deflector extends at least 90 degrees around the inner barrel.
8. (Cancelled)

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9. (Original) The tool of claim 1, wherein the corkscrew deflector forms an angle with respect to the inlet plate of between 15 and 75 degrees.

10. (Original) The tool of claim 9, wherein the angle is 70 degrees.

11. (Cancelled)

12. (Original) The tool of claim 1, further comprising an outer barrel coupled to the corkscrew deflector, a fluid chamber being formed between the inner barrel and the outer barrel.

13. (Original) The tool of claim 12, wherein the outer barrel has an output neck on a distal end of the outer barrel extending away from the inlet plate, the output neck having a diameter less than a diameter of the inlet plate.

14. (Original) The tool of claim 12, further comprising at least one side inlet in the outer barrel.

15. (Original) The tool of claim 1, wherein at least one end of the inner barrel is substantially pointed.

16. -34. (Cancelled)

35. (Currently Amended) A tool comprising:

an inner barrel having at least one side aperture;

an outer barrel being concentric with the inner ~~barrel~~ barrel to define a first fluid chamber between the inner barrel and the outer barrel, the outer barrel having at least one side aperture;

a corkscrew deflector disposed in the first fluid chamber;

an outer casing concentric with the outer barrel to define a second fluid chamber between the outer barrel and the outer casing, the second fluid chamber being in fluid communication with the first fluid chamber through the at least one side aperture; and

an inlet plate having a first aperture and a second aperture, the first aperture adapted to provide fluid communication between an inlet and the first fluid chamber, and the second aperture adapted to provide fluid communication between the inlet and the second fluid chamber.

36. (Previously Presented) The tool of claim 35, wherein an end of the inner barrel proximate to an output of the fluid chamber is substantially tapered.

37. (Previously Presented) The tool of claim 35, wherein an end of the outer barrel proximate to an output of the fluid chamber is tapered.

38. (Previously Presented) A tool comprising:
an outer barrel having an inlet and an outlet;
an inner barrel substantially concentric with the outer barrel and disposed between the inlet and the outlet; and
a corkscrew deflector disposed between the inner barrel and the outer barrel, the corkscrew deflector coupled to an outer surface of the inner barrel and an inner surface of the outer barrel;
wherein the corkscrew deflector is adjustable between a first position having a first corkscrew angle and a second position having a second corkscrew angle different from the first corkscrew angle;
wherein a length of the inner barrel is adjustable between a first length corresponding to the first corkscrew angle and a second length corresponding to the second corkscrew angle.

39. (Cancelled)

40. (Previously Presented) The tool of claim 38, wherein the inner barrel is telescopic.

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41. (Previously Presented) The tool of claim 38, further comprising a stop coupled to a portion of the inner barrel, the stop configured to couple the inner barrel to the inner surface of the outer barrel.

42. (Cancelled)